

FIG. 1

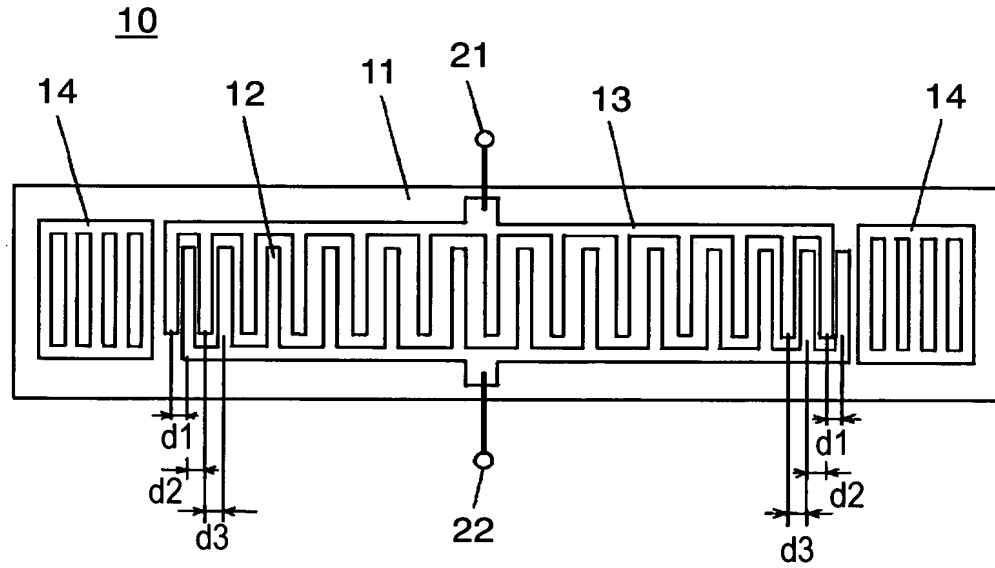


FIG. 2

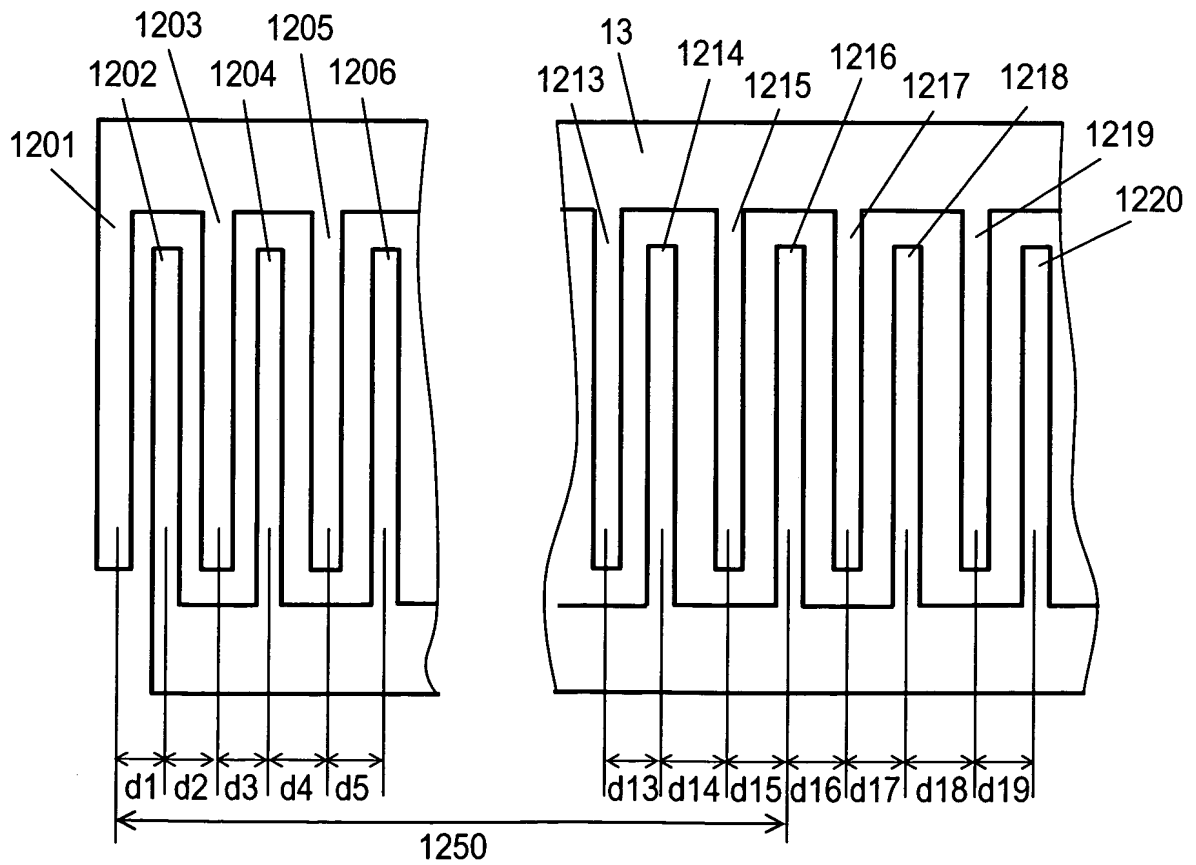


FIG. 3

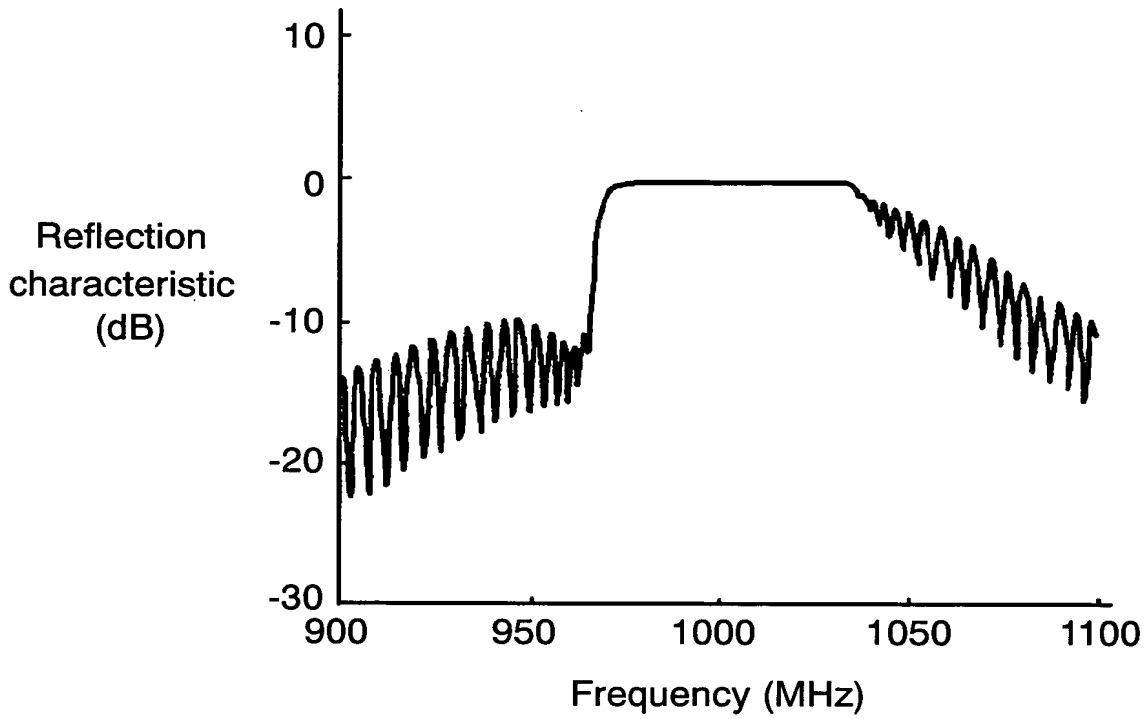
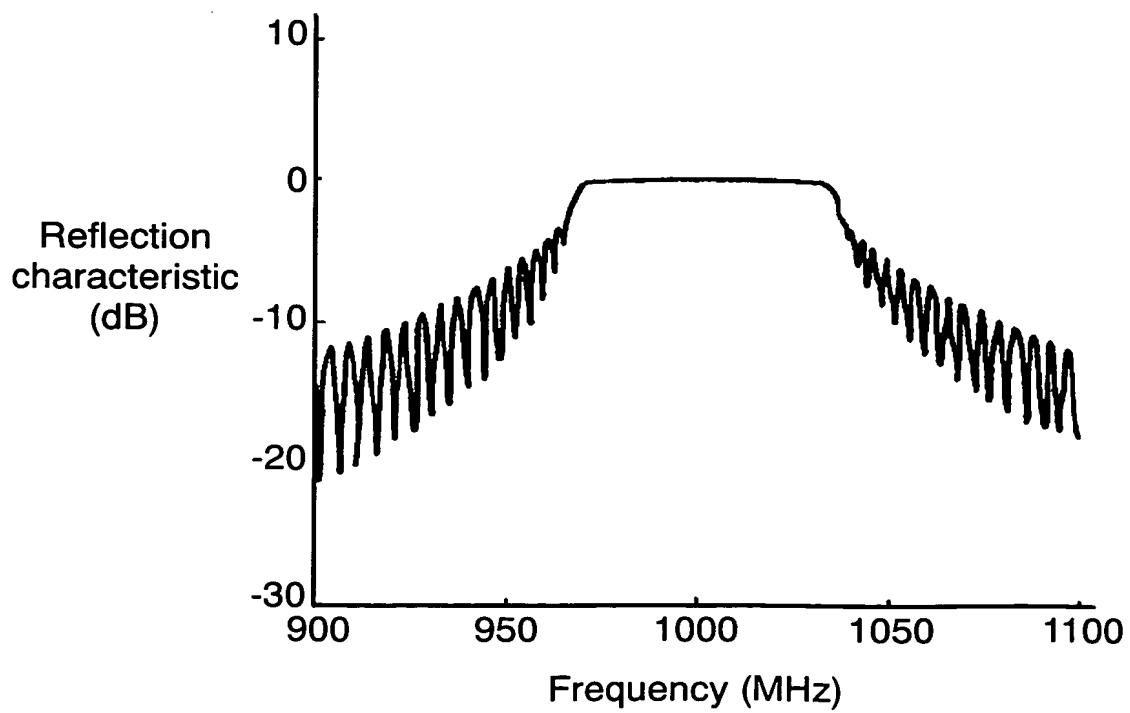


FIG. 4



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FIG. 5

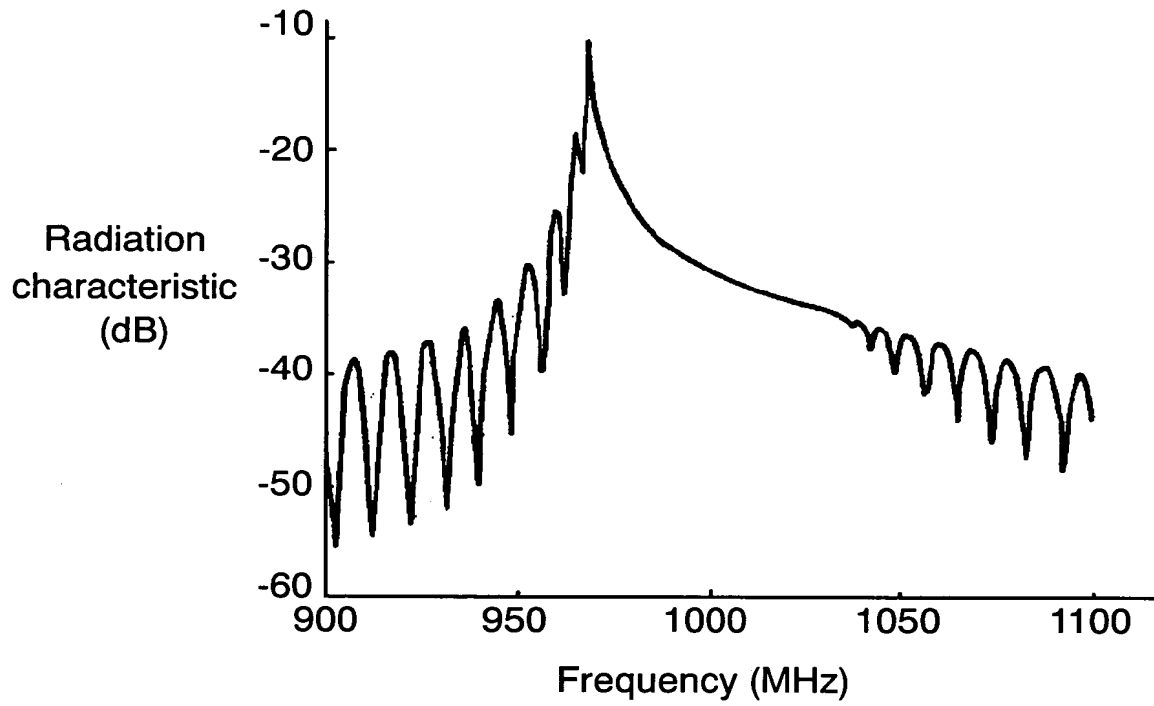


FIG. 6

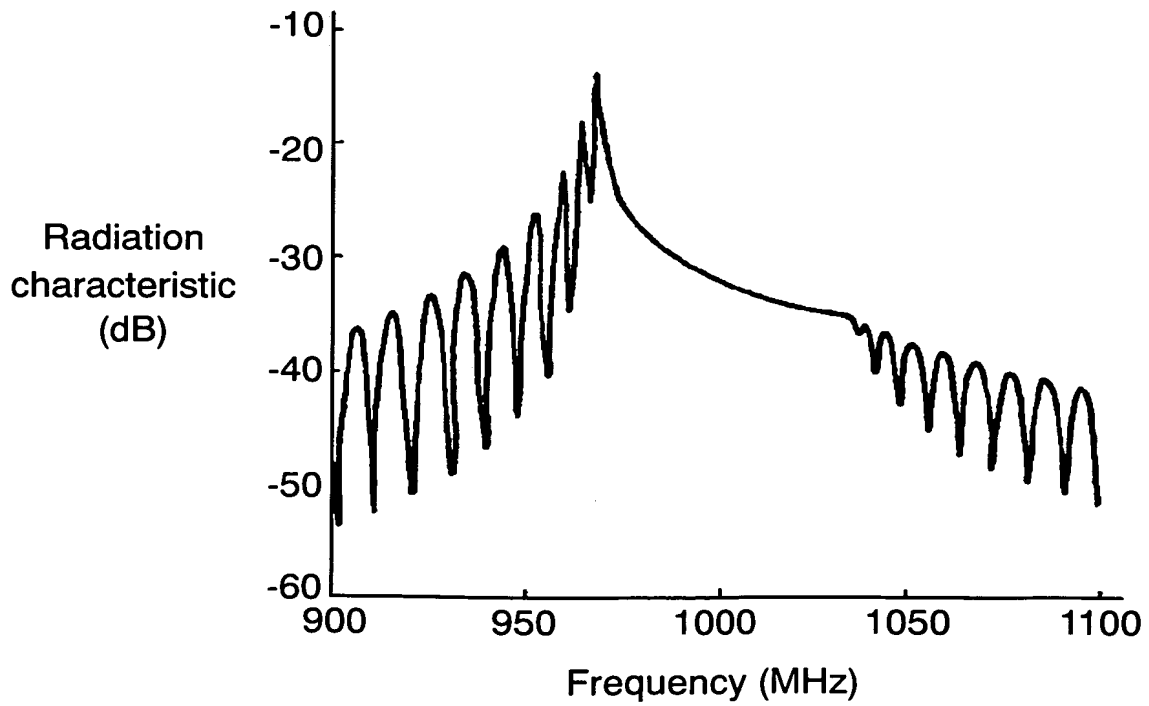


FIG. 7

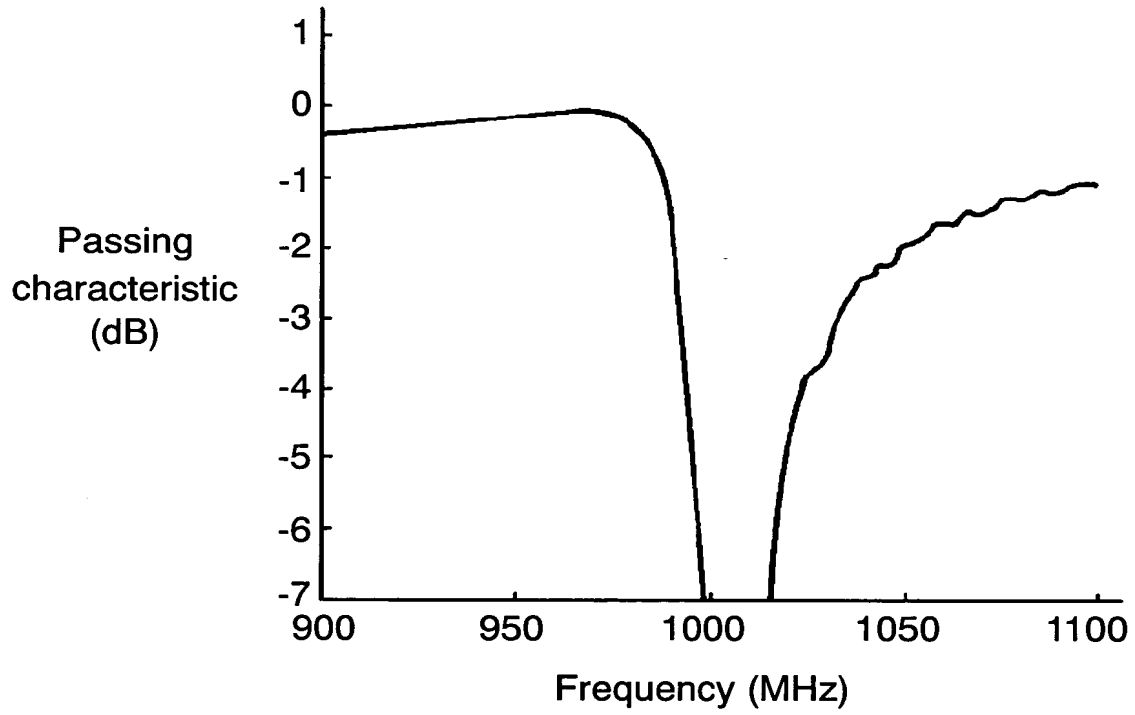


FIG. 8

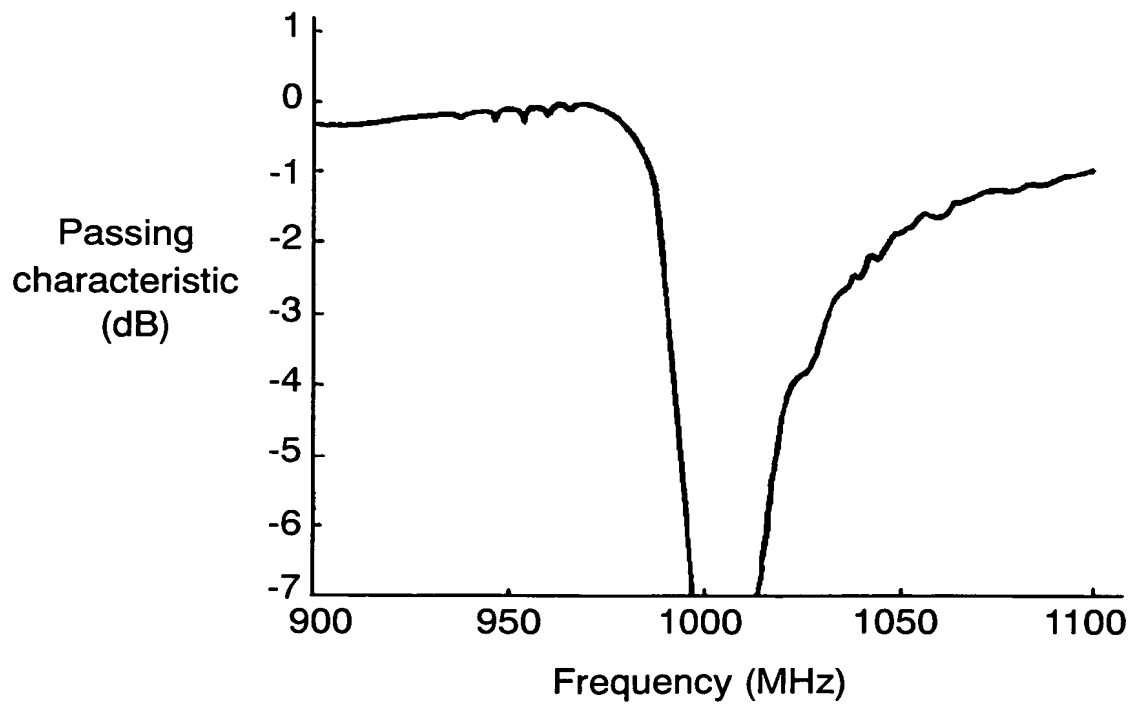


FIG. 9

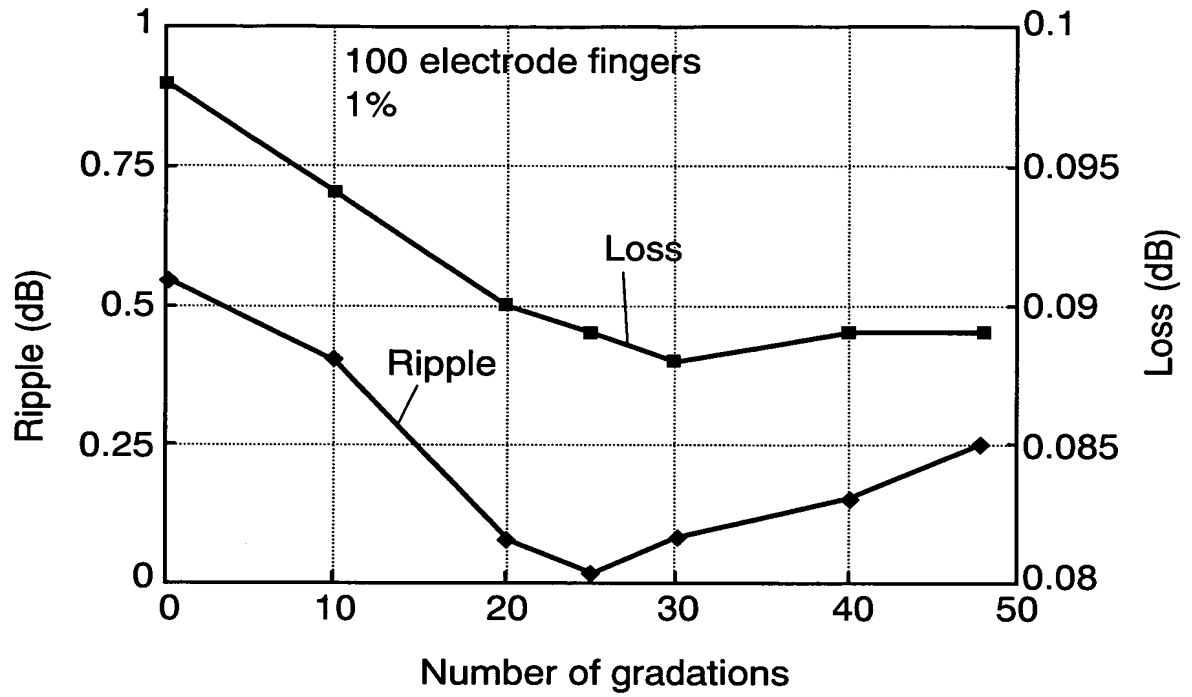
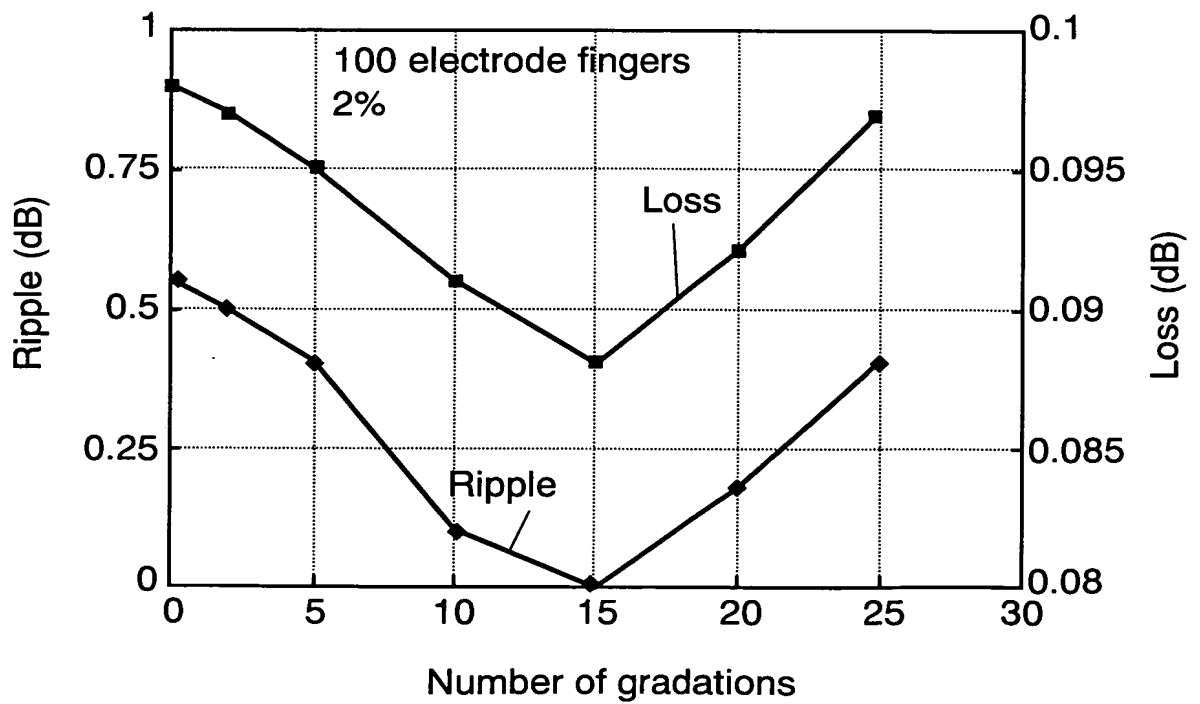


FIG. 10



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FIG. 11

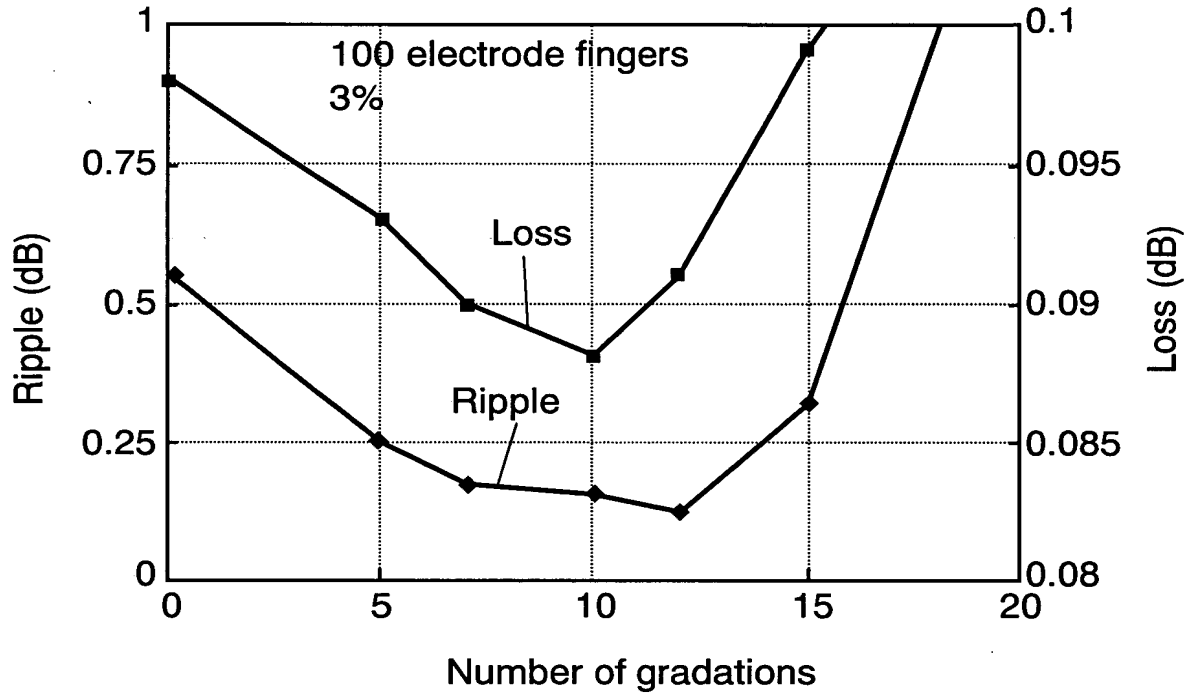
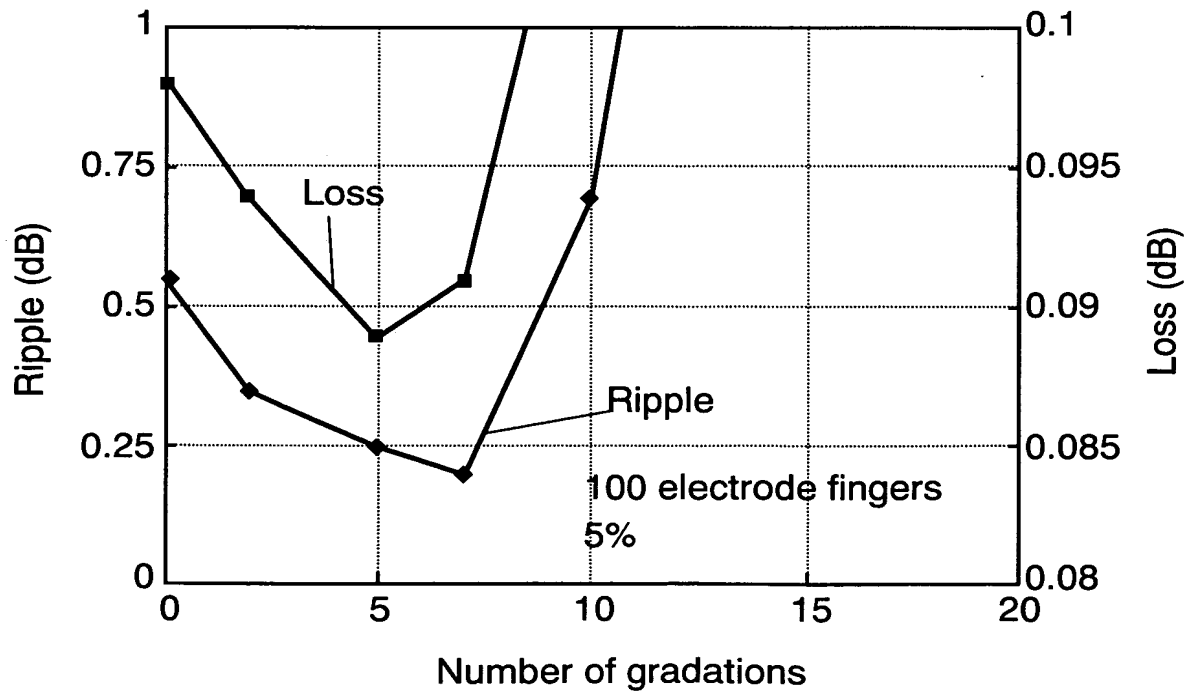


FIG. 12



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FIG. 13

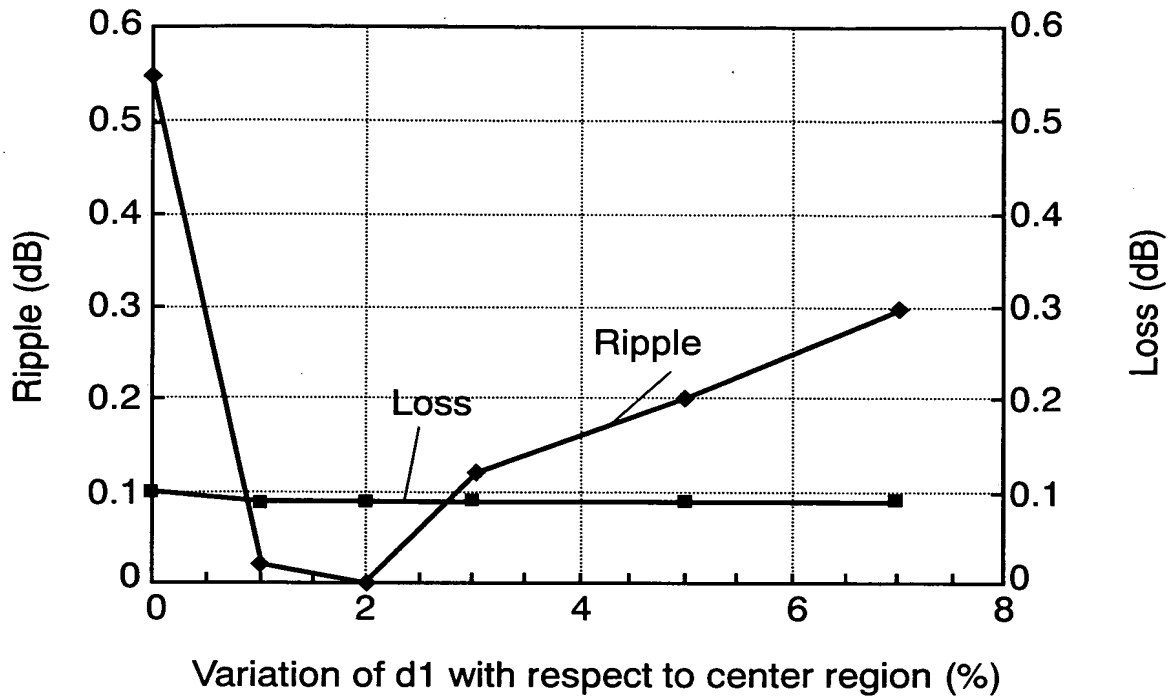


FIG. 14

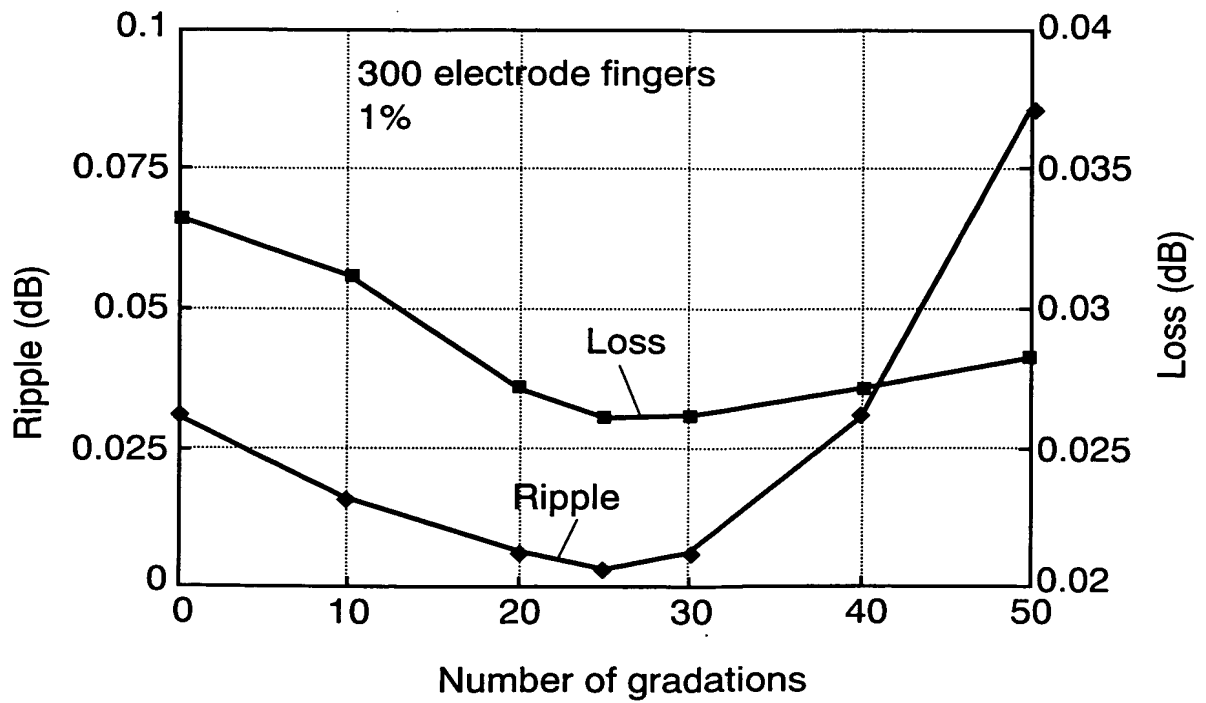


FIG. 15

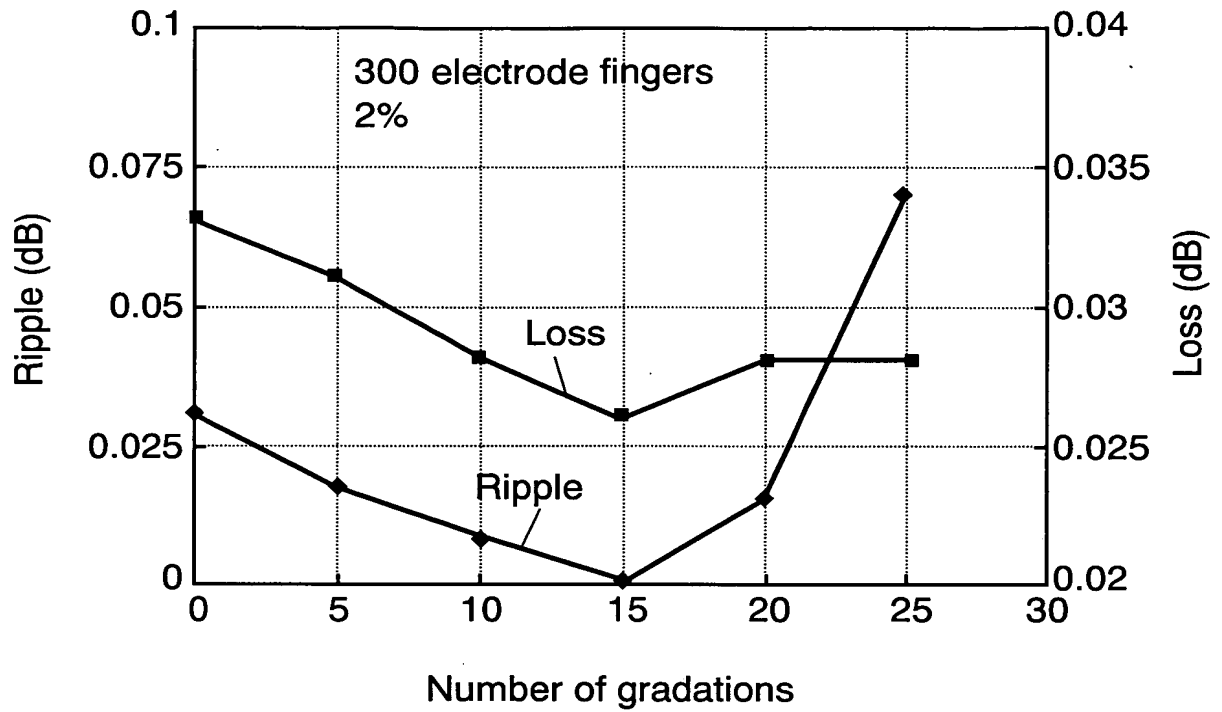


FIG. 16

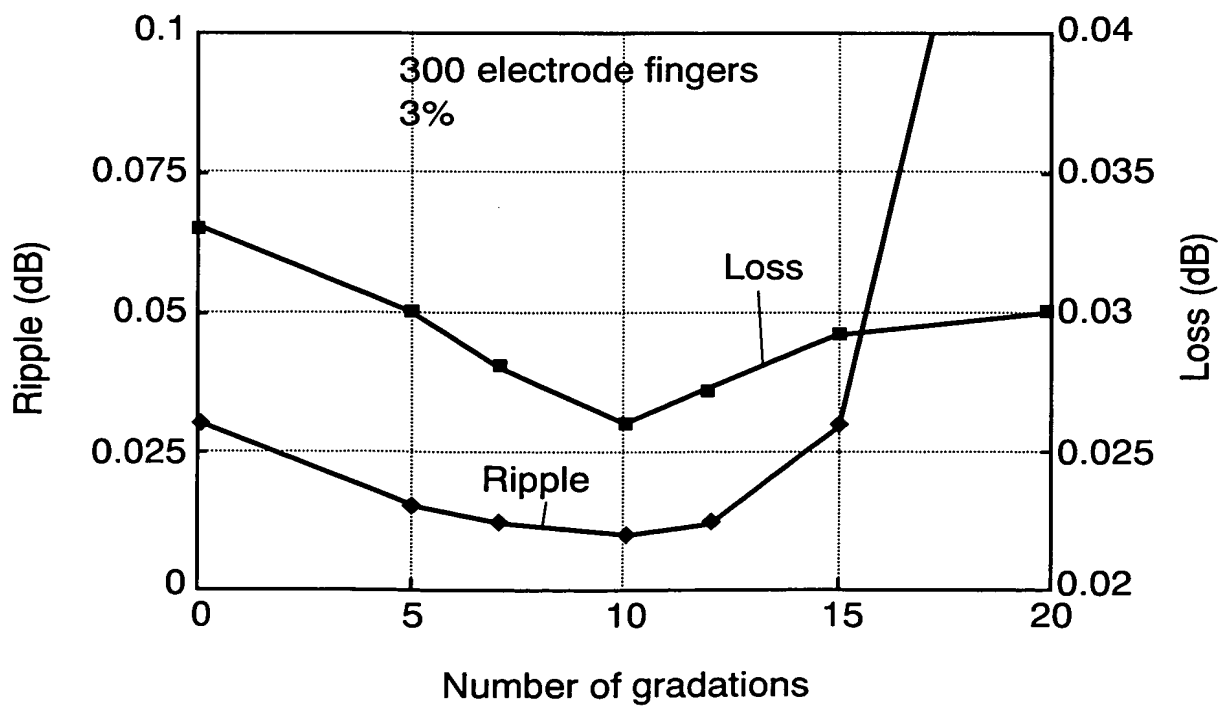


FIG. 17

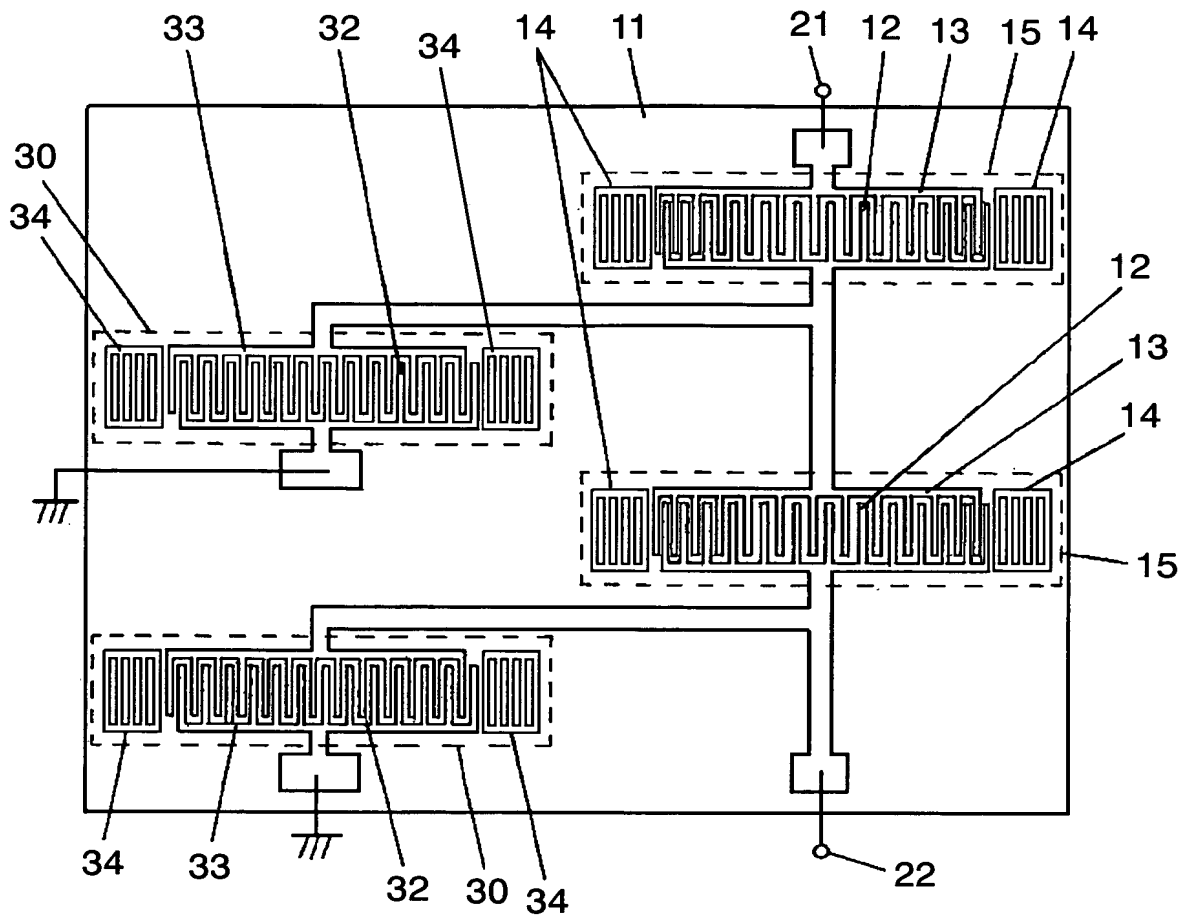


FIG. 18

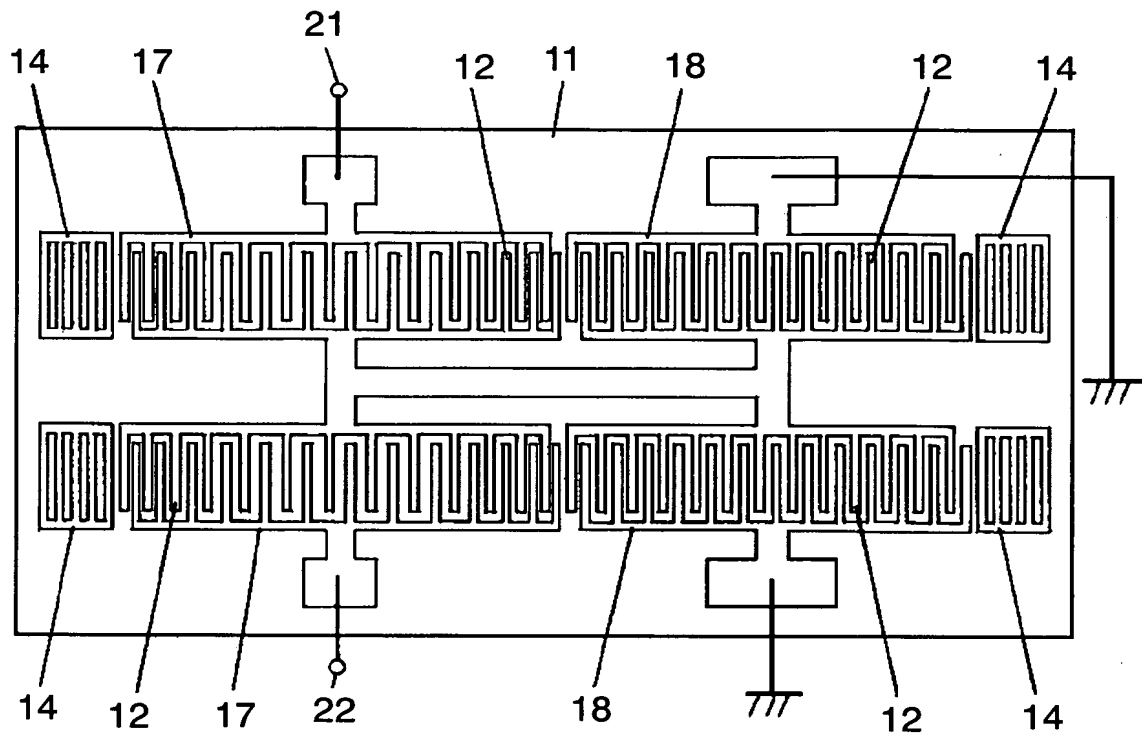
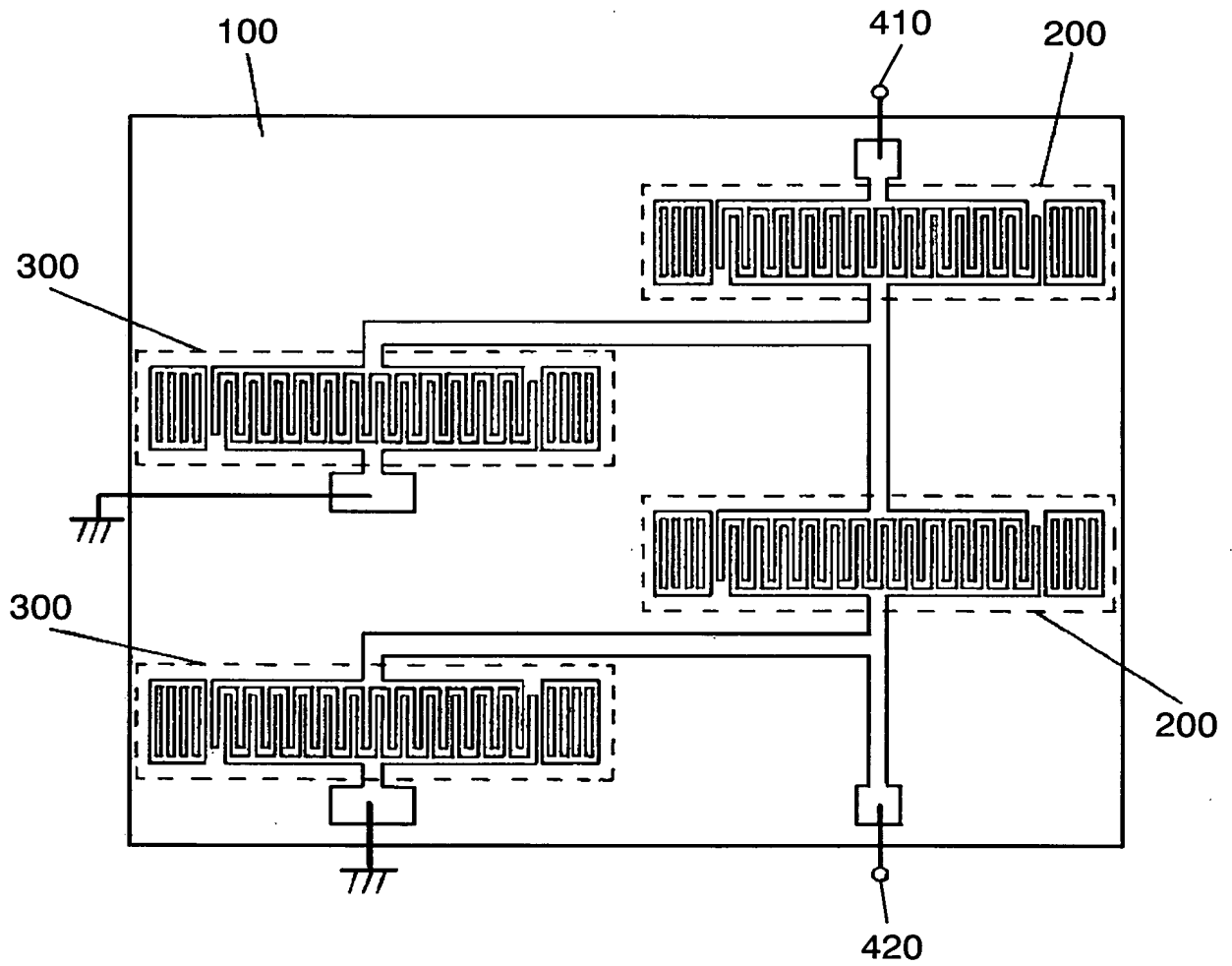


FIG. 19 PRIOR ART



Reference marks in the drawings

10, 200, 300 Surface acoustic wave resonators

11, 100 Piezoelectric substrates

12, 1201, 1202, 1203, 1204, 1205, 1206, 1213, 1214, 1215, 1216, 1217,
1218, 1219, 1220 Electrode fingers

13 IDT

14 Reflector

15 Series resonator

16 Parallel resonator

17 First IDT

18 Second IDT

21, 22, 410, 420 Input-output terminals

1250 Gradation region